

**Melvin Price Locks and Dam UMR Mile 201**  
**Auxiliary Miter Gate Failure**  
**Bi-Weekly Status Report**  
**23 March 2005**

**THIS REPORT IS ISSUED BI-WEEKLY**

**General Description:** On 3 Oct 2004 the downstream miter gates on the auxiliary lock at Melvin Price Locks & Dam traveled past the mitered position, causing severe damage to the gates.

**Tows Waiting:** Traffic is being passed through the main chamber and no abnormal backlogs are occurring.

**Communication Plan:** The district has set up a web page for this incident that can be accessed through ([www.mvs.usace.army.mil](http://www.mvs.usace.army.mil)).

**Risk Assessment & Mitigation Plan:** A minor repair by lock staff to the Missouri filling valve in the main chamber will not effect lock operation.

**Helper Boat on Site:** A government-furnished helper boat is on station. All approaching commercial tows are required to use the assistance of this boat at the direction of the Lockmaster to minimize the potential for damage to the main chamber.

**Actions Performed Last Two Week at the Service Base by the Combined Team Crews:**

- \* The Missouri and Illinois gate leafs have been straightened by the heat straightening contractor: Flame-On Inc. of Snowhomish, WA.
- \* Continue repairs to bottom seals on Illinois gate leaf.
- \* Continue layout and fabrication of the new bottom diagonal pin support boxes.
- \* Continue machining and fabrication of 2 new strut arms for the lower gates.
- \* Nor bach (epoxy) and stainless steel miter block on quoin end removed on Illinois gate leaf.
- \* Quoin pintle casting plate replaced.
- \* Received two 40-foot environmental enclosures and the repaired end panel.
- \* Began repair on secondary anchorages on auxiliary lock at Melvin Price lock and dam.
- \* Removed upper strut arms from auxiliary lock.

**Actions Scheduled Next Two Week at the Service Base:**

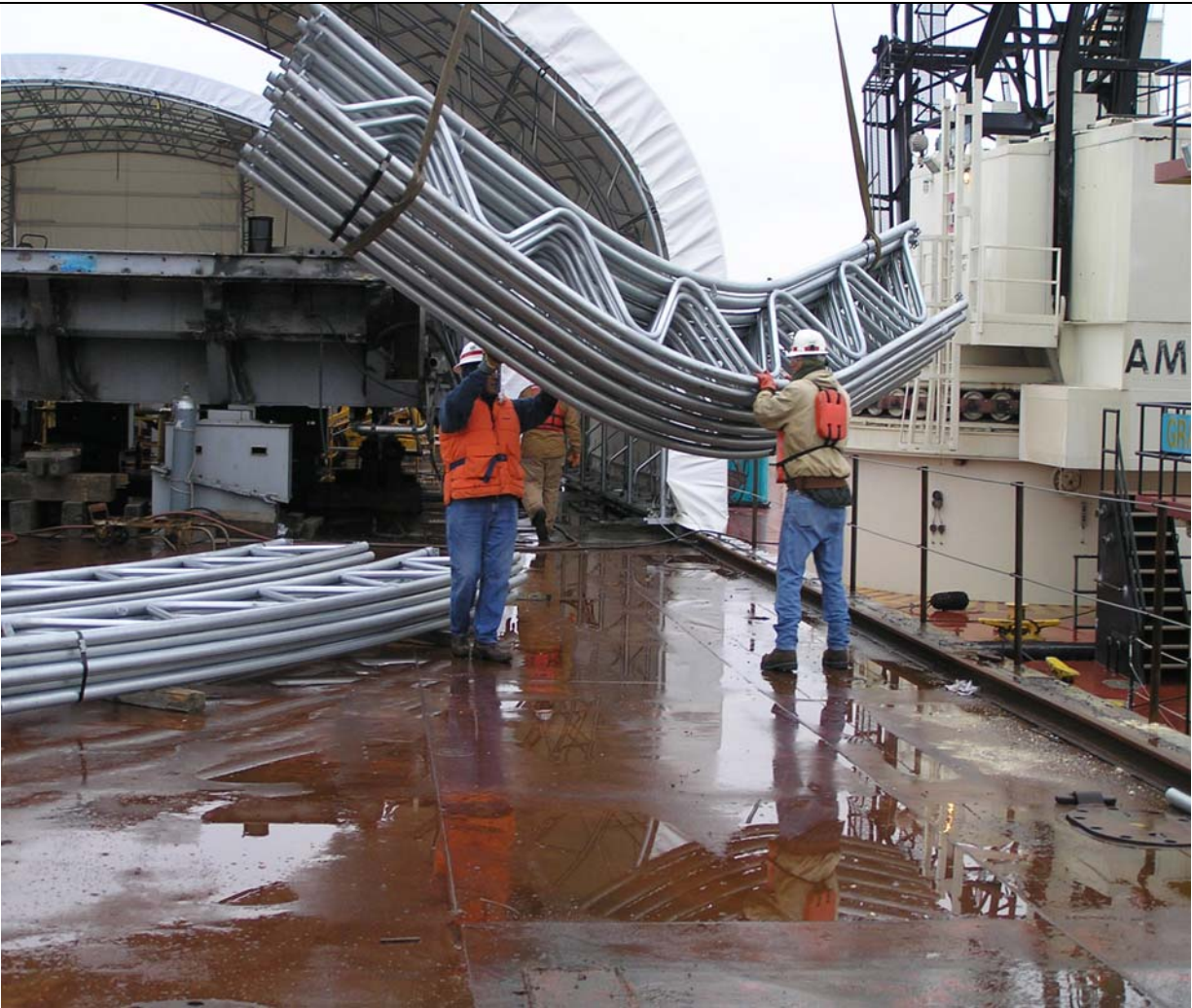
- \* Gusset plate for tensioning straps.
- \* Modify lower strut arms.
- \* Begin machining sleeves for primary anchorages.
- \* Continue final fabrication for the removable seals on the both leafs.
- \* Continue layout and fabrication of the new bottom diagonal pin support boxes.
- \* Finish repairs on secondary anchorages on auxiliary lock.



Crew members begin disassembling upper strut arms from auxiliary lock.

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*Corps of Engineers' Metal Shop*



Combined Team lowers down frame sections of two 40ft environmental enclosure.  
23 Mar. 2005

*Corps of Engineers' Repair Barge & Crane Barge FISHER*